Figure 1

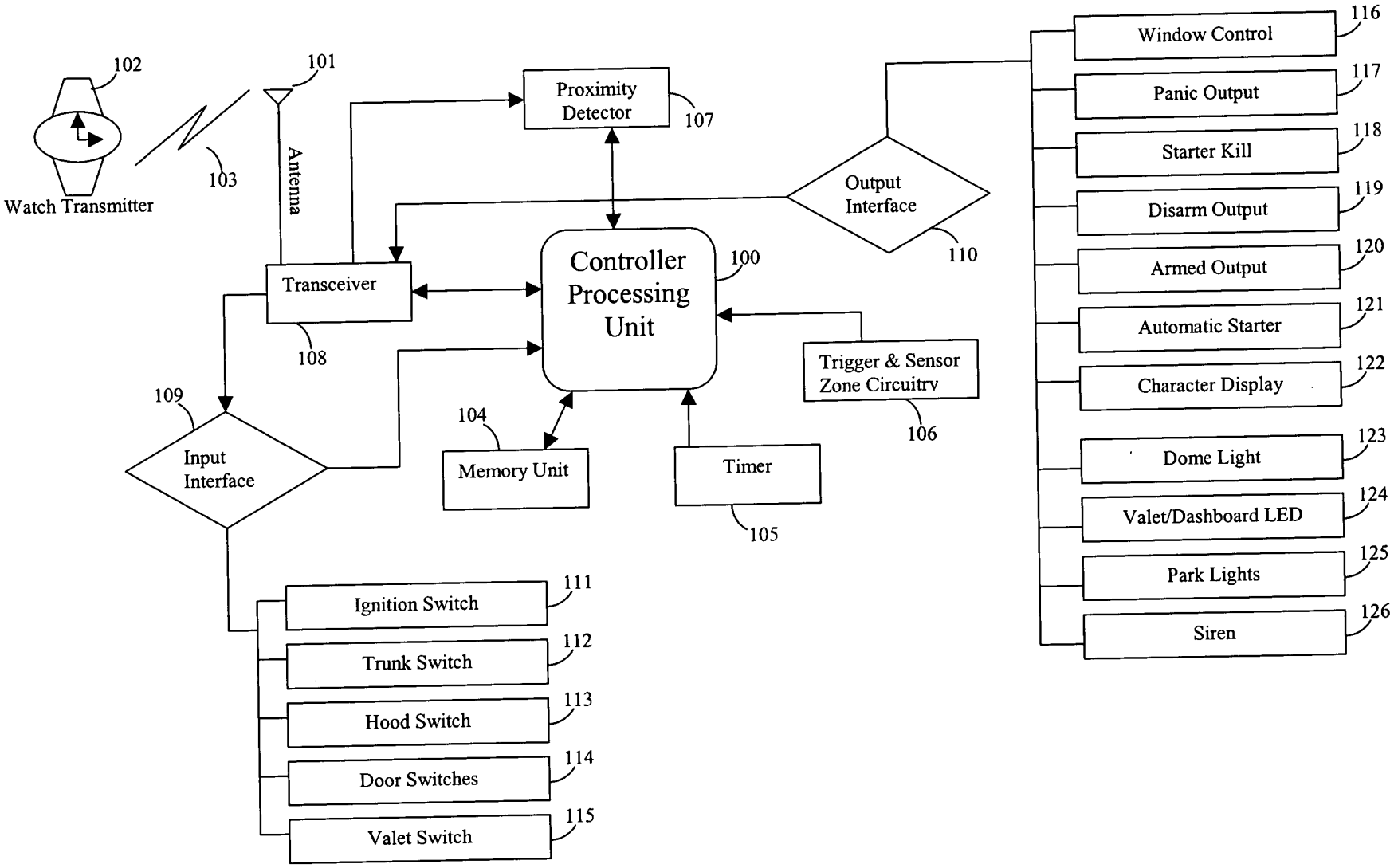

102
Watch Transmitter
103
101
Antenna
Proximity Detector
107
Output Interface
110
116
Window Control
117
Panic Output
118
Starter Kill
119
Disarm Output
120
Armed Output
121
Automatic Starter
122
Character Display
123
Dome Light
124
Valet/Dashboard LED
125
Park Lights
126
Siren
Transceiver
108
Controller Processing Unit
100
Trigger & Sensor Zone Circuitry
106
109
Input Interface
104
Memory Unit
Timer
105
111
Ignition Switch
112
Trunk Switch
113
Hood Switch
114
Door Switches
115
Valet Switch

Figure 2

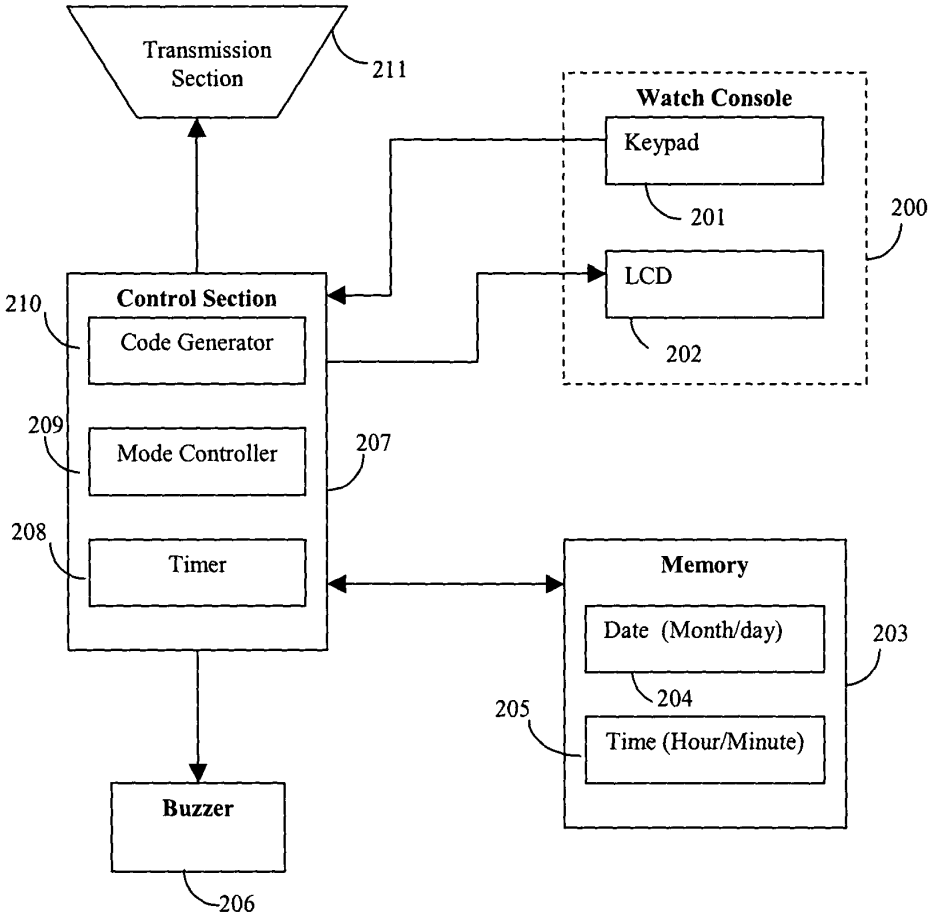

Transmission Section
211
Watch Console
Keypad
201
200
LCD
202
210
Control Section
Code Generator
209
Mode Controller
207
208
Timer
Memory
Date (Month/day)
203
204
205
Time (Hour/Minute)
Buzzer
206

Figure 3

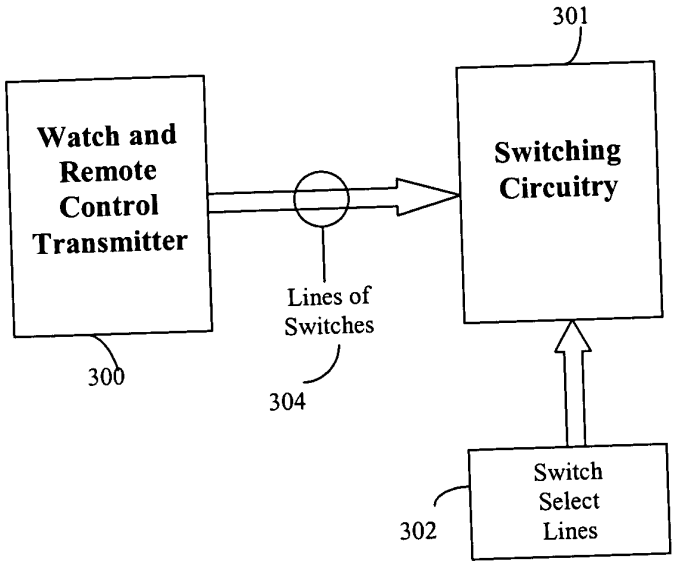
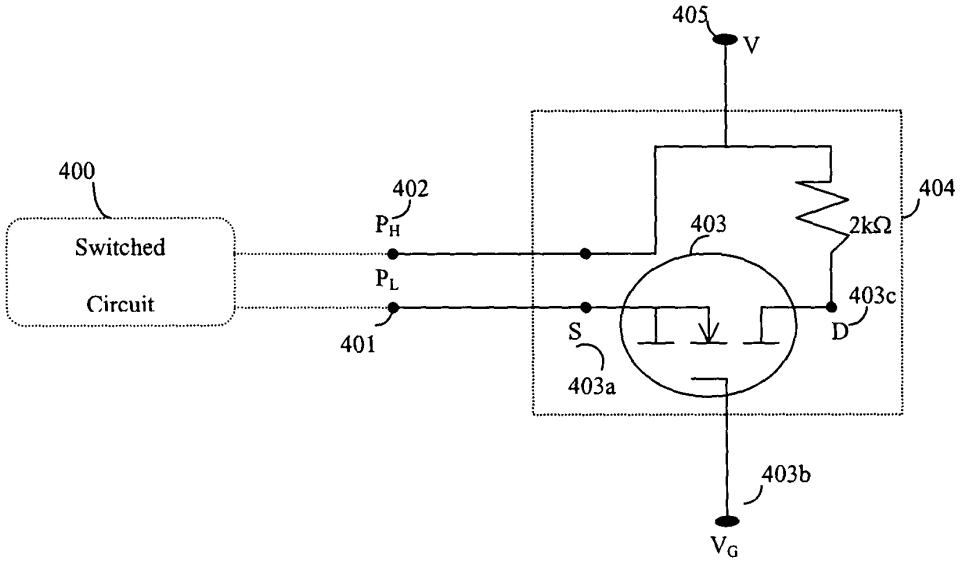

301
Watch and Remote Control Transmitter
Switching Circuitry
Lines of Switches
300
304
Switch Select Lines
302

Figure 4

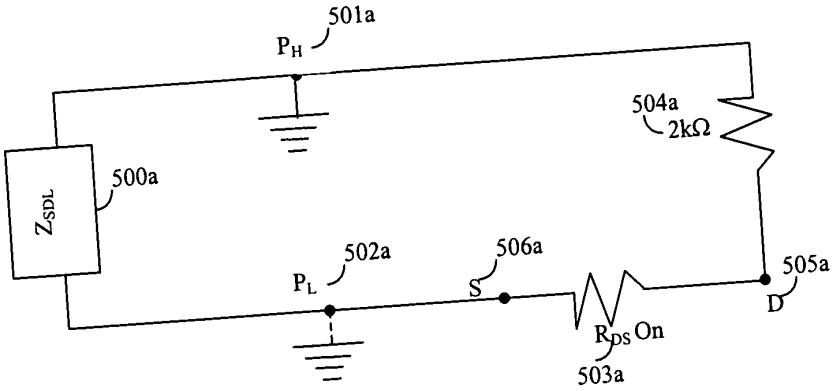


Notes:

- P_L is the low voltage terminal of the switch and the P_H is the high one.
- Q1 is a n-channel enhancement MOSFET

Figure 5

(A) RDS ON



(B) RDS OFF

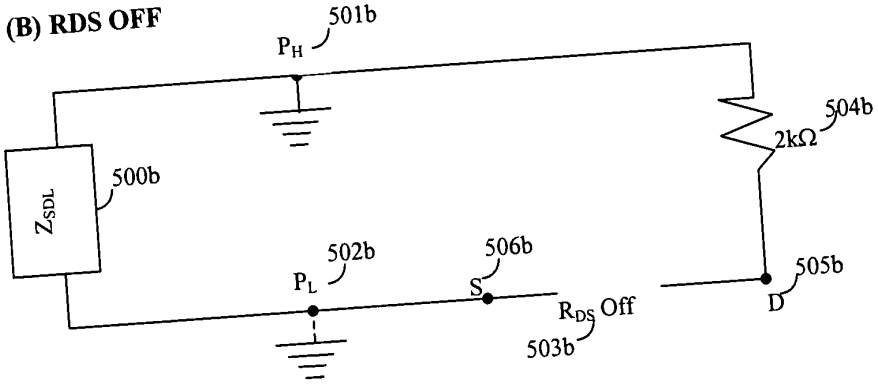
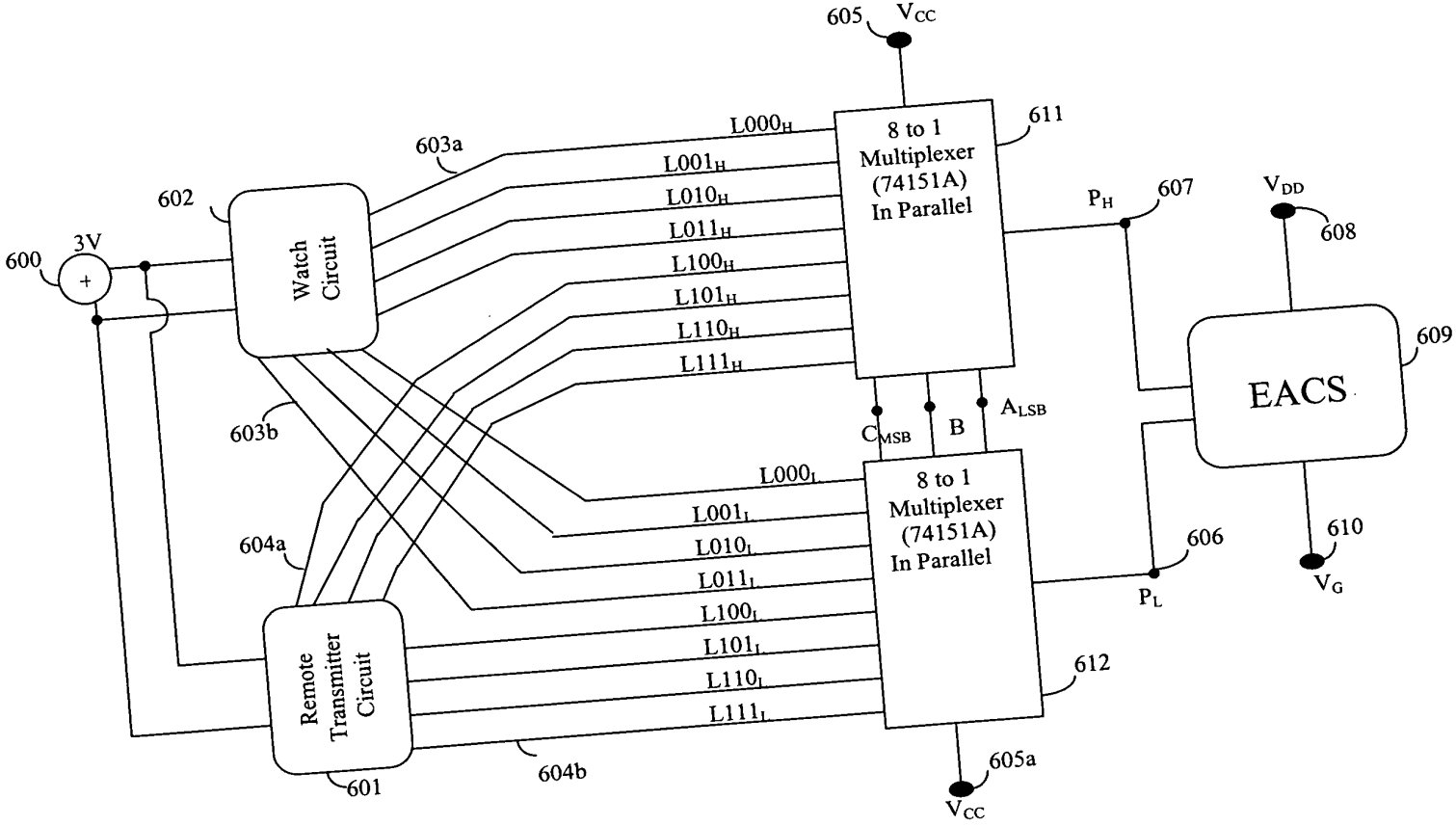


Table 1: Output /Input Levels of EALS

Gate	V_{HL}
0	1
1	0
1⇔3V	0⇔3V
0⇔0V	1⇔non zero
V_{HL} = AC voltage drop from P_H to P_L	
Gate = DC voltage drop to ground	

Figure 6


605
V_{CC}
8 to 1
Multiplexer
(74151A)
In Parallel
611
$L000_H$
$L001_H$
$L010_H$
$L011_H$
$L100_H$
$L101_H$
$L110_H$
$L111_H$
603a
602
Watch
Circuit
600
3V
+
P_H
607
V_{DD}
608
609
EACS
C_{MSB}
B
A_{LSB}
603b
$L000_L$
$L001_L$
$L010_L$
$L011_L$
$L100_L$
$L101_L$
$L110_L$
$L111_L$
8 to 1
Multiplexer
(74151A)
In Parallel
604a
606
610
P_L
V_G
Remote
Transmitter
Circuit
612
601
604b
605a
V_{CC}

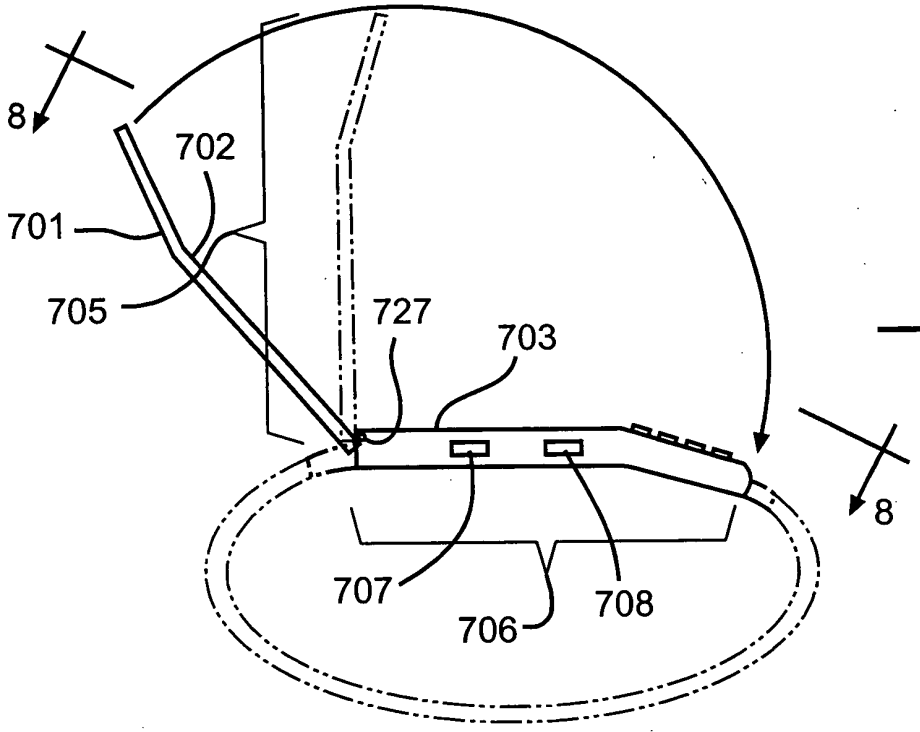

8
702
701
705
727
703
8
707
706
708

FIG. 7

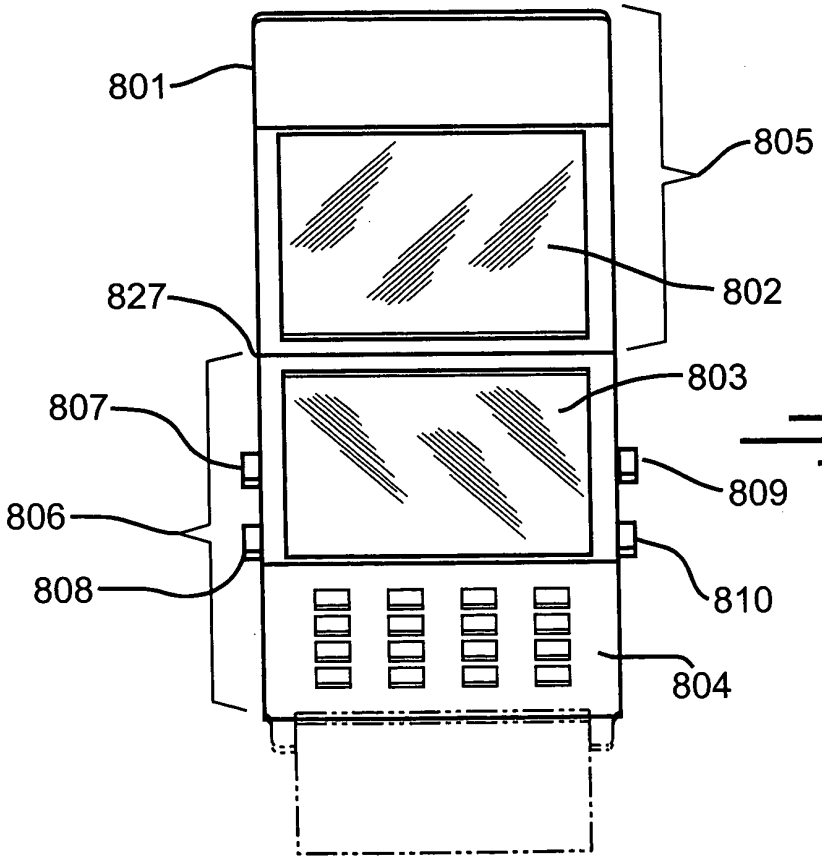

801
805
802
827
803
807
809
806
810
808
804

FIG. 8

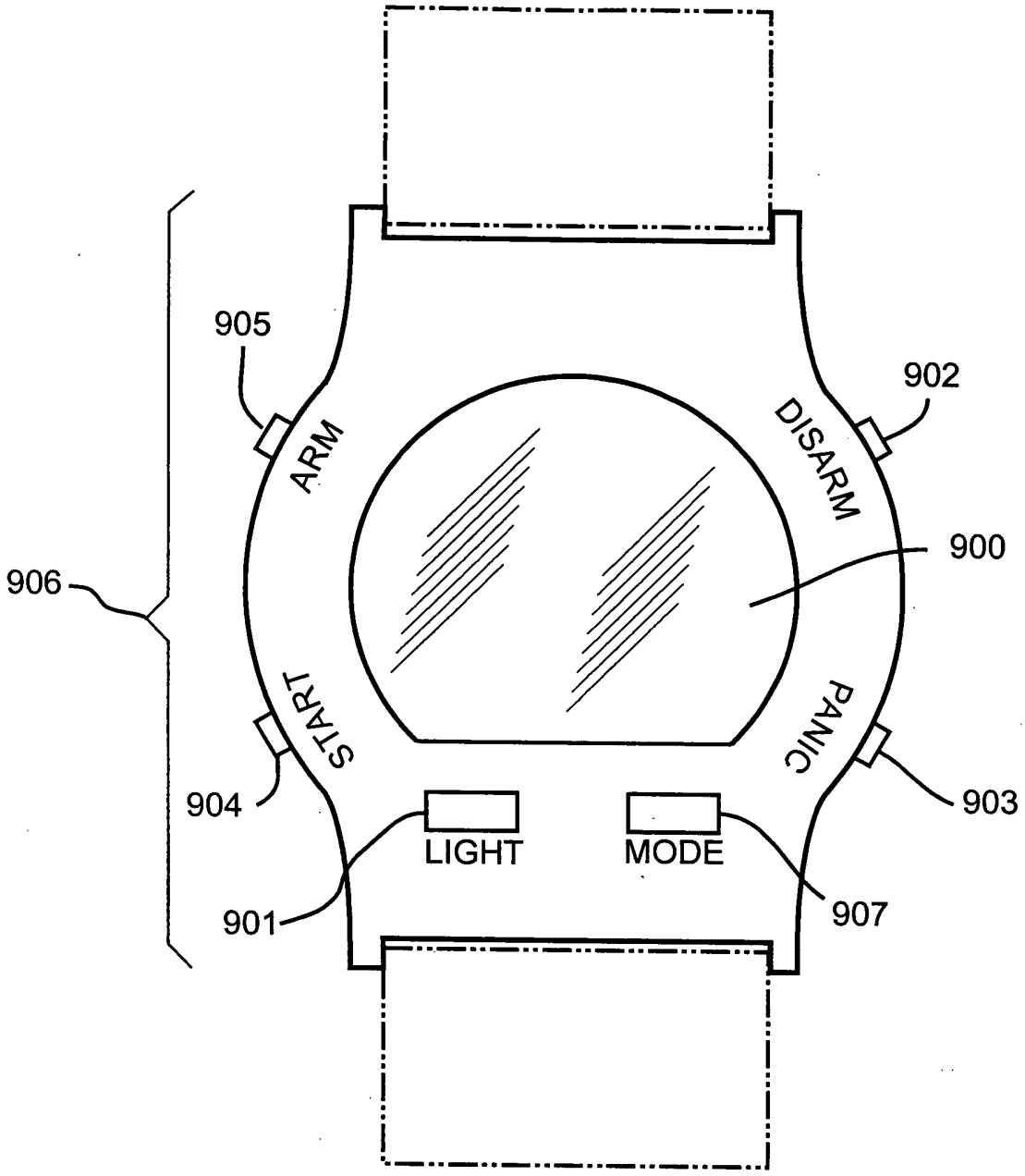

905
902
ARM
DISARM
900
906
START
PANIC
904
903
LIGHT
MODE
901
907

FIG. 9

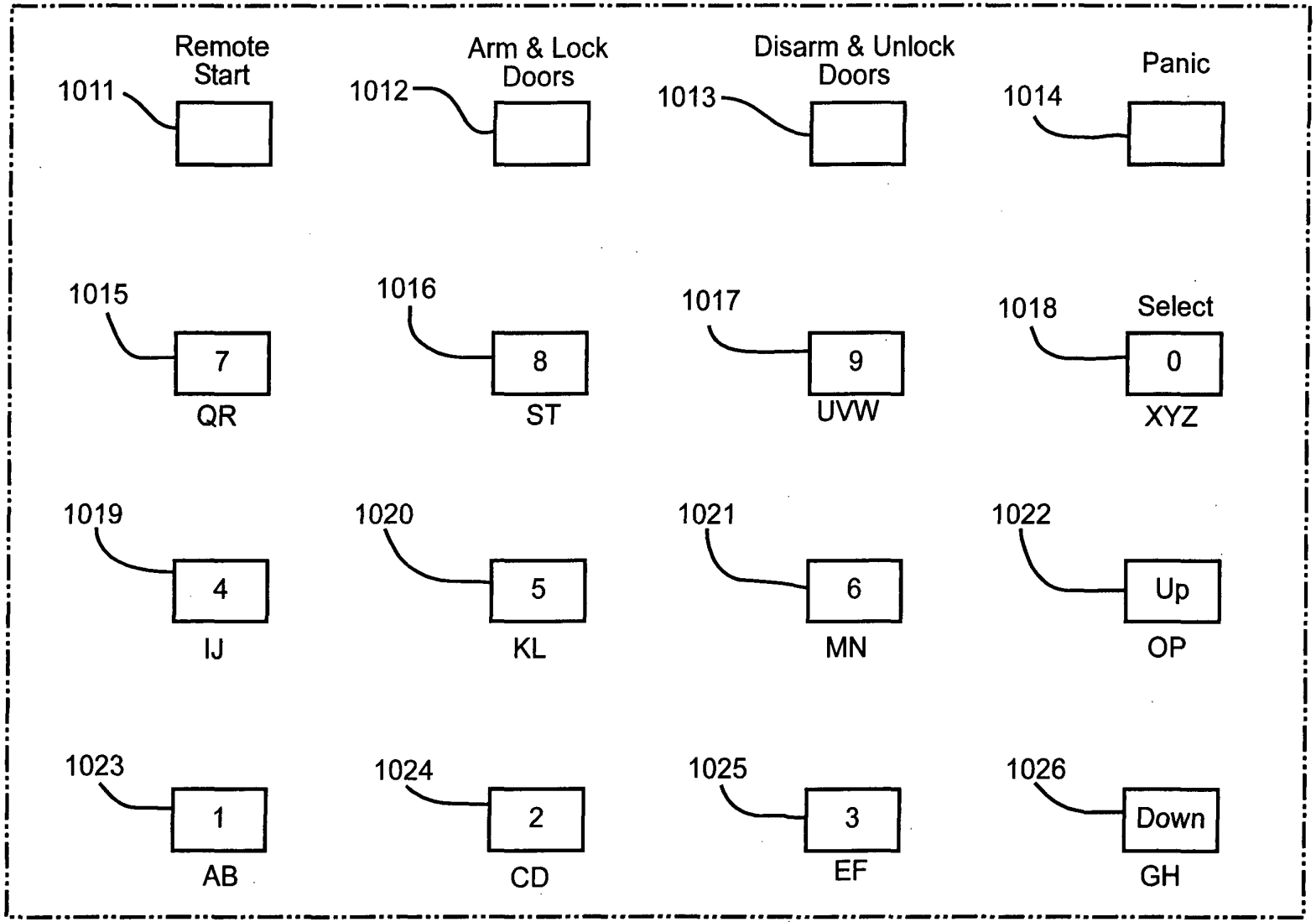

1011
Remote Start
1012
Arm & Lock Doors
1013
Disarm & Unlock Doors
1014
Panic
1015
7
QR
1016
8
ST
1017
9
UVW
1018
Select
0
XYZ
1019
4
IJ
1020
5
KL
1021
6
MN
1022
Up
OP
1023
1
AB
1024
2
CD
1025
3
EF
1026
Down
GH

FIG. 10